



29A 3453

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

SHOHEI SATO

Serial No.: 10/620,094

Filed: 7/15/2003

For: ULTRASONIC PROBE AND  
MANUFACTURING METHOD  
THEREOF

Art Unit: 2834

Examiner: Thomas M. Dougherty

**TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR 1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
Mail Stop: Amendment

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, Applicant for the above-identified application hereby submits legible copies of the following relevant arts along with the FORM PTO-1449 which contains the information required by 37 CFR 1.98(b):

- A. European Patent Publication No. EP 1 132 978 published by the EPO on September 12, 2001;
- B. U.S. Patent Application Publication No. 2002/130590 of Seigo et al. published on September 19, 2002; and
- C. U.S. Patent Application Publication No. 2002/073781 of Hashimoto et al. published on June 20, 2002.

The above-listed prior art A-C are cited in the Search Report dated December 9, 2005 by the European Patent Office for European Patent Application No. EP 05 02 0237 which is a counterpart application to the above-identified U.S. application. A copy of the Search Report is enclosed.


Prior art A discloses insulation patterns 16, 23 corresponding to the vertical insulating layer of the present invention. The present invention differs from prior art A in the feature that a

pair of vertical insulating layers and a pair of vertical electrode layers are provided on a pair of side surfaces of the piezoelectric section body. Furthermore, prior art A nowhere mentions or suggests the "specified structures" defined in the claims of the present application.

It is, therefore, respectfully requested that the Patent Office make a record of these relevant art and consider them during the prosecution.

Respectfully submitted,

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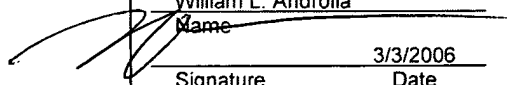
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Name

  
Signature

3/3/2006

Date



FORM PTO-1449			Docket Number (Optional) 29A 3453		Application Number 10/620,094	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION			Applicant Shohei Sato			
(Use several sheets if necessary)			Filing Date 7/15/2003		Group Art Unit 2834	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2002/130590	9/19/2002	Shiraishi			
	2002/073781	6/20/2002	Hashimoto			
FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	EP 1 132 978	9/12/2001	EPC			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)						
EXAMINER		DATE CONSIDERED				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.						